Original/Duplicate/Triplicate

P.W.G. 17 | 1st and final Bill | **CONTRACT CERTIFICATE** | Reference paras 158 & 170

Division **Yelahanka** | Sub division **Yelahanka** | Date

Bills received No | Date | Sub-divisional | Cash book vr No

Divisional | Date

Sheduled Docket No | Head of account

Name of work(as per sanctioned estimate) :- **NAME OF WORK :-Construction of RO Plant at Srinivasapura in Kempegowda ward no-01 of Yelahanka Sub division**

Work Code:-001-23-000008

Name of contractor and full address :- **Agency:-SRI.SAMBASHIVA,No:04,3rd Main Road,Chamundeshwari L/O Doddabommasandra,Vidyaranyapura, Bangalore-560097.**

Reference to agreement No :- **44** | **Estimated cost : 28.00 lakhs** | **Work order No :44 , Date:30-12-2022**

Certified that the measurments were taken by me on 2/5/23 and recorded on pages **496340 to 496355** of measurment book No **4964**and the work is satisfactorily executed by the contractor.

Signature of contractor | Asst. Engineer

Certified that the measurments were taken by me on 3/05/2023 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Asst. Executive Engineer
Sub-divisional officer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of		
b) Cost of payments/stores or other materials supplied now made recovery of amount creditable to this/other work.		
Amount paid on this bill by cheque/cash		
Total		
5). Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book vr No----------dated----------last adjustment.		
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

----------by cash and by adjustment----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Reciept Stamp

Dated signature of contractor
paid by me cheque No dated
Cash Rs.....

Date | Initials of officer making payment | Date | Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	
1	2	3	4	5	6	7	8	9	
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	Cum			37.24	176.52	6573.69	37.24	6573.
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum			1.58	2271.71	3589.30	1.58	3589.3
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification	Cum			4.73	4926.62	23302.91	4.73	23302.9
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed	Cum			1.26	5215.80	6571.91	1.26	6571.91
5	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum			9.42	4747.44	44703.08	9.42	44703.08
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum			17.40	180.96	3148.39	17.40	3148.39

	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)	Sqm			19.28	65.64	1265.54	19.28	1265.54
	Cost of Haulage Excluding Loading and Unloading ing output 10 t load and lead 10 km = 100 t.km	T.km			23.20	85.16	1975.93	23.20	1975.93
	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed	Cum			10.46	5740.36	60044.17	10.46	60044.17
10	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates	cum			2.43	6035.95	14667.36	2.43	14667.36
11	**Slab**	cum			7.10	6584.68	46751.23	7.10	46751.23
12	**Beams**	cum			3.71	6584.68	24428.67	3.71	24428.67
13	**Lintel**	cum			0.84	6584.68	5531.13	0.84	5531.13
14	Providing Thermo-Mechanically Treated bars of grade Fe 550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be	kg			3481.90	85.16	296518.52	3481.90	296518.52
15	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm			31.34	1060.90	33248.61	31.34	33248.61

	roviding and constructing load bearing wall with Solid :oncrete blocks of size 400x150x200mm having block ensity more than 1800kg/m3 and minimum compressive ngth of 4.00 N/mm2 conforming to IS 2185 (Part - I) 005 and constructed with CM 1:4 as per IS 2572:2005 ncluding cost of all materials, labour, scaffolding and uring, usage charges of machinery etc complete as per pecifications.	Sqm			24.30	941.15	22869.95	24.30	22869.95
	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 ine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm			126.36	265.22	33513.20	126.36	33513.20
	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of	Sqm			34.54	285.63	9866.02	34.54	9866.02
	Providing 12mm thick cement plaster in floating coat of neat cement of mix :1:4 to Brick masonry including rounding off corners wherever reduired smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per diredtion of Engineer-in-charge	Sqm			47.22	232.40	10974.51	47.22	10974.51
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in	Sqm			81.84	73.62	6024.97	81.84	6024.97
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-	Sqm			81.84	115.32	9437.64	81.84	9437.64
22	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-	Sqm			126.14	120.64	15217.23	126.14	15217.23

Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5.to 32/63 A three phase 4 wire whole current class-1 Accuracy Energy Meter.	Each			2.00	4132.80	8265.60	2.00	8265.60
Supplying, fixing, wiring, earth electrode for grounding board using 40mm dia 2.90 thick Gl pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through Gl wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia	Nos			2.00	2418.39	4836.78	2.00	4836.78
Supplying and running of GI/Copper strips for grounding connections using necessary fixing material as required GI strip 25x3mm	Mtr			25.00	60.48	1512.00	25.00	1512.00
Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable.d) 4 core 16 sqmm	Mtr			20.00	120.96	2419.20	20.00	2419.20
Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.a) 6 sqmm to 16 sqmm	Mtr			20.00	9.58	191.60	20.00	191.60
Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. .a) In soil (ordinary)	Mtr			25.00	61.29	1532.25	25.00	1532.25
Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. a) 40mm	Mtr			12.00	270.14	3241.68	12.00	3241.68
Supplying &fixing L.T.cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers ect.b) 16 Sqmm	Each			5.00	217.73	1088.65	5.00	1088.65
Providing BESCOM deposits excuding ESCOM 3 pahse energy meter (as per intimation letter from ESCOMS) for 10hp 3phase power supply under LT-5 tariff.	Ltr			1.00	8064.00	8064.00	1.00	8064.00
					Sub Total RS	**1909874.31**		**1909874.31**
					Add 18% of GST RS	**343777.38**		**343777.38**
					Grand Total RS	**2253651.69**		**2253651.69**

Certificate:-

1) Certified that the above work done is satisfactorly Completed.
2) Certified that the,There is no debries have been cleared to site.

AE
Ward no 01

Assistant Executive Engineer
Yelahanka Sub Division
BBMP(E&M) Yelk. Zn)
Bangalore-64.
Yelahanka, Bangalore